

tesa® 4942

140µm double sided transparent filmic tape

tesa® 4942 is a double sided self-adhesive tape consisting of a transparent PET backing and a tackified acrylic adhesive.

tesa® 4942 features esp.

- Thickness: 140µm
- High bonding strength and shear resistance
- Very good handling performance in converting processes
- Excellent resistance to demanding environmental conditions

Main Application

- Lens mounting in mobile phones
- Antenna mounting

Technical Data

| | | | |
|-----------------------|-------------------|----------------------|---------------------|
| ▪ Backing material | PET film | ▪ Tensile strength | 20 N/cm |
| ▪ Color | transparent | ▪ Type of liner | glassine |
| ▪ Total thickness | 140 µm | ▪ Colour of liner | brown |
| ▪ Type of adhesive | tackified acrylic | ▪ Thickness of liner | 71 µm |
| ▪ Elongation at break | 50 % | ▪ Weight of liner | 82 g/m ² |

Adhesion to

| | | | |
|-------------------|-----------|-------------------------|-----------|
| ▪ Steel (initial) | 10.3 N/cm | ▪ Steel (after 14 days) | 12.7 N/cm |
| ▪ ABS (initial) | 8.9 N/cm | ▪ ABS (after 14 days) | 9.8 N/cm |
| ▪ PC (initial) | 10.8 N/cm | ▪ PC (after 14 days) | 12.1 N/cm |
| ▪ PE (initial) | 5.0 N/cm | ▪ PE (after 14 days) | 5.6 N/cm |

Properties

| | | | |
|-------------------------------------|--------|-----------------------------------|------|
| ▪ Temperature resistance short term | 200 °C | ▪ Ageing resistance (UV) | ●●●● |
| ▪ Temperature resistance long term | 100 °C | ▪ Humidity resistance | ●●●● |
| ▪ Tack | ●● | ▪ Static shear resistance at 23°C | ●●● |

Evaluation across relevant tesa® assortment: ●●●● very good ●●● good ●● medium ● low

For latest information on this product please visit <http://l.tesa.com/?ip=04942>

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